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PATENT & TRADEMARK OFFICE

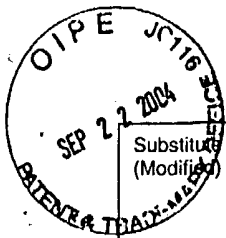
Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06275-244US1	Application No. 10/069,215
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Stephen Thom et al.	
		Filing Date February 22, 2002	Group Art Unit 1614

U.S. Patent Documents

Examiner Initials	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>ST</i>	AA	10/276,430	—	—	514	315	12/10/2002
	AB	10/468,179	—	—	546	209	08/18/2003
	AC	10/469,361	—	—	546	200	08/26/2003
	AD	10/472,350	—	—	514	329	09/18/2003
	AE	10/473,258	—	—	546	223	09/29/2003
	AF	10/495,196	—	—	546	187	05/11/2004
	AG	10/495,410	—	—	546	224	05/13/2004
	AH	10/495,405	—	—	546	224	05/12/2004
	AI	3,203,992	08/31/1965	Kunz et al.	514	254.08	—
	AJ	3,577,432	05/04/1971	Helsley et al.	548	538	—
	AK	3,755,584	08/28/1973	Plotnikoff et al.	514	292	—
	AL	3,818,017	06/18/1974	Janssen et al.	546	199	—
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	AN	4,029,801	06/14/1977	Cavalla et al.	514	329	—
	AO	4,105,666	08/08/1978	Ward	546	224	—
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	AQ	4,166,119	08/28/1979	Effland et al.	514	278	—
	AR	4,246,267	01/20/1981	Vincent et al.	514	329	—
	AS	4,264,613	04/28/1981	Regnier et al.	514	322	—
	AT	4,338,323	07/06/1982	Regnier et al.	514	318	—
	AU	5,576,321	11/19/1996	Krushinski, Jr. et al.	514	254.09	—
	AV	5,614,523	03/25/1997	Audia et al.	514	254.08	—
	AW	5,614,533	03/25/1997	Anderson et al.	514	314	—
	AX	5,627,196	05/06/1997	Audia et al.	514	323	—
<i>ST</i>	AY	5,688,960	11/18/1997	Shankar	546	202	—
	BA	5,696,267	12/09/1997	Reichard et al.	546	217	—

Examiner Signature <i>[Signature]</i>	Date Considered 12/13/04
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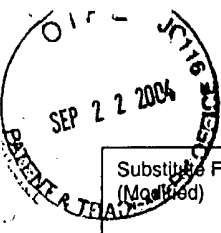
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<i>STB</i>	BB	5,741,789	04/21/1998	Hibschman et al.	514	212.02	—
<i>STB</i>	BC	5,789,402	08/04/1998	Audia et al.	514	212.02	—
<i>STB</i>	BD	5,840,725	11/24/1998	Reichard et al.	514	254.01	—

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>STB</i>	BE	DE 197 03 131 A1	07/30/1998	Germany	—	—	English Language Abstract attached	Original in German
	BF	DE 197 55 268 A1	06/17/1999	Germany	—	—	English Language Abstract attached	Original in German
	BG	DE 37 23 568 A1	01/26/1989	Germany	—	—	English Language Abstract attached	Original in German
	BH	EP 0 095 454	11/30/1983	EP	—	—	English Language Abstract attached	Original in German
	BI	EP 0 128 007	12/12/1984	EP	—	—	—	—
	BJ	EP 0 354 568 A2	02/14/1990	EP	—	—	—	—
	BK	EP 0 407 217 A1	01/09/1991	EP	—	—	—	—
	BL	EP 0 445 862 B1	09/11/1991	EP	—	—	—	—
	BM	EP 0 457 686 B1	11/21/1991	EP	—	—	English Language Abstract attached	Original in French
	BN	EP 0 496 691 A1	07/29/1992	EP	—	—	—	—
	BO	EP 0 587 311 A1	03/16/1994	EP	—	—	—	—
	BP	EP 0 625 507 B1	11/23/1994	EP	—	—	—	—
	BQ	EP 0 643 057 A1	03/15/1995	EP	—	—	—	—
<i>STB</i>	CA	EP 0 722 941 A2	07/24/1996	EP	—	—	—	—

Examiner Signature <i>Stephen Thom</i>	Date Considered 14/13/02
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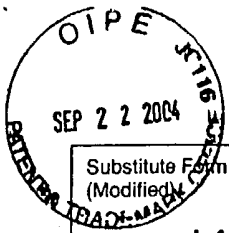
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							Yes	No
S	CB	EP 0 903 349 A2	03/24/1999	EP	—	—	—	—
	CC	EP 1013276 A1	06/28/2000	EP	—	—	—	—
	CD	FR 2 190 430	02/01/1974	France	—	—	English Language Abstract attached	Original in French
	CE	GB 1368012	09/25/1974	United Kingdom	—	—	—	—
	CF	GB 1 404 868	09/03/1975	United Kingdom	—	—	—	—
	CG	GB 1425354	02/18/1976	United Kingdom	—	—	—	—
	CH	GB 1 532 671	11/15/1978	United Kingdom	—	—	—	—
	CI	GB 1 538 542	01/24/1979	United Kingdom	—	—	—	—
	CJ	GB 1 544 191	04/11/1979	United Kingdom	—	—	—	—
	CK	WO 92/15579	09/17/1992	WIPO	—	—	—	—
	CL	WO 93/25528	12/23/1993	WIPO	—	—	—	—
	CM	WO 94/27967	12/08/1994	WIPO	—	—	—	—
	CN	WO 95/11880	05/04/1995	WIPO	—	—	—	—
	CO	WO 96/26205	08/29/1996	WIPO	—	—	—	—
	CP	WO 96/34857	11/07/1996	WIPO	—	—	—	—
	CQ	WO 96/39386	12/12/1996	WIPO	—	—	—	—
	CR	WO 97/23458	07/03/1997	WIPO	—	—	—	—
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	CT	WO 97/47299	12/18/1997	WIPO	—	—	—	—
	CU	WO 98/08826	03/05/1998	WIPO	—	—	—	—
	CV	WO 98/31366	07/23/1998	WIPO	—	—	—	—
	CW	WO 98/32442	07/30/1998	WIPO	—	—	English Language Abstract attached	Original in German
S	CX	WO 98/51311	11/19/1998	WIPO	—	—	—	—
	DA	WO 99/04794	02/04/1999	WIPO	—	—	—	—

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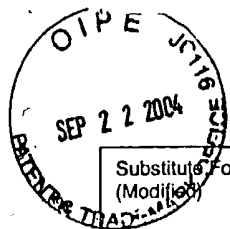
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							Yes	No
ST	DB	WO 99/25686	05/27/1999	WIPO	—	—	—	—
	DC	WO 99/27928	06/10/1999	WIPO	—	—	—	—
	DD	WO 99/27929	06/10/1999	WIPO	—	—	—	—
	DE	WO 99/28314	06/10/1999	WIPO	—	—	—	—
	DF	WO 99/31092	06/24/1999	WIPO	—	—	English Language Abstract not available Abstract of correspondent "AEE" attached	Original in German
	DG	WO 99/37304	07/29/1999	WIPO	—	—	—	—
	DH	WO 99/38514	08/05/1999	WIPO	—	—	—	—
	DI	WO 99/64394	12/16/1999	WIPO	—	—	—	—
	DJ	WO 99/65895	12/23/1999	WIPO	—	—	English Language Abstract attached	Original in French
	DK	WO 00/08013	02/17/2000	WIPO	—	—	—	—
	DL	WO 00/21948	04/20/2000	WIPO	—	—	—	—
	DM	WO 00/21952	04/20/2000	WIPO	—	—	—	—
	DN	WO 00/23076	04/27/2000	WIPO	—	—	—	—
	DO	WO 00/35449	06/22/2000	WIPO	—	—	—	—
	DP	WO 00/35451	06/22/2000	WIPO	—	—	—	—
	DQ	WO 00/39108	07/06/2000	WIPO	—	—	—	—
ST	DR	WO 00/53600	09/14/2000	WIPO	—	—	English Language Abstract attached	Original in Japanese
	EA	WO 00/58305	10/05/2000	WIPO	—	—	—	—

Examiner Signature <i>Frederick B. ...</i>	Date Considered 12/13/02
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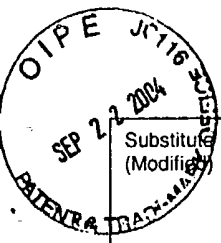
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SPT	EB	WO 00/61559	10/19/2000	WIPO	—	—	—	—
	EC	WO 00/69820	11/23/2000	WIPO	—	—	—	—
	ED	WO 00/76513 A1	12/21/2000	WIPO	—	—	—	—
	EE	WO 00/76973 A1	12/21/2000	WIPO	—	—	—	—
	EF	WO 01/14333 A1	03/01/2001	WIPO	—	—	—	—
	EG	WO 01/43744	06/21/2001	WIPO	—	—	English Language Abstract attached	Original in French
	EH	WO 01/44227	06/21/2001	WIPO	—	—	English Language Abstract attached	Original in French
	EI	WO 01/92227 A1	12/06/2001	WIPO	—	—	—	—

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
SPT	EJ	Archibald et al., "Antihypertensive Ureidopiperidines", <i>J. Med. Chem.</i> 23:857-861 (1980)
	EK	Archibald et al., "Antiinflammatory 4-acylaminopiperidines", <i>CAPLUS</i> 77:34355 (1972)
	EL	CAPLUS accession no. 1978:22640, document no. 88:22640, Yoshitomi Pharmaceutical Industries Ltd.: "Urea and thiourea derivatives" & JO A2, 52085174, 19700715
	EM	CAPLUS, accession no. 1990:558675, document no. 113:158675, Yoshitomi Pharmaceutical Industries, Ltd.: "Dihydroxycinnamic acid amide derivatives and their pharmaceutical compositions for enhancement of nerve growth factor (NGF) production & JP, A2, 02104568, 19900417
	EN	Cattanach et al., "Studies in the Indole Series. Part IV. Tetrahydro-1H-pyrido[4, 3-b]-indoles as Serotonin Antagonists", <i>J. Chem. Soc. (C)</i> 10:1235-1243 (1968)
	EO	Cohen et al., "Cytokine function: A study in biologic diversity", <i>CAPLUS</i> 125:31527 (1996)
	EP	Derwent Abstract 54050W/33 corresponding to Belgium Application BE 826994
	EQ	Derwent Abstract 93-339628/29 corresponding to PCT Application WO 00/23437 A1
	ER	Derwent Abstract 96-136185/14 corresponding to Japanese Patent Application JP 08026999
	ES	Derwent Abstract 96-136186/14 corresponding to Japanese Patent Application JP 08027000-A
ET	Derwent Abstract 96-136187/14 corresponding to Japanese Patent Application JP 08027001-A	
FA	Derwent Abstract 99-040684/04 corresponding to Japanese Patent Application JP 10298180-A/2	

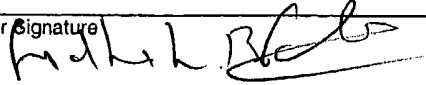
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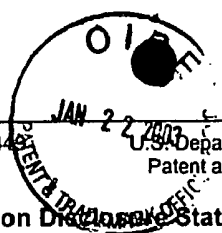
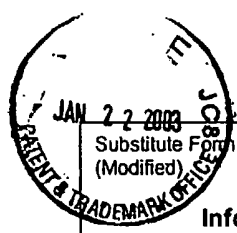
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STB	FB	Friebe et al., "Piperidinopropyl derivatives and pharmaceutical compositions containing them", <i>CAPLUS</i> 94:103172 (1981)
	FC	Hesselgesser et al., "Identification and Characterization of Small Molecule Functional Antagonists of the CCR1 Chemokine Receptor", <i>J. Biol. Chem.</i> 273(25):15687-15692 (1998)
	FD	Howard et al., "Chemokines: progress toward identifying molecular targets for therapeutic agents", <i>Trends in Biotechnology</i> 14:46-51 (1996)
	FE	Janda, "A Soluble Polymer Approach to the "Fishing Out" Principle: Synthesis and Purification of β -Amino Alcohols", <i>J. Org. Chem.</i> 63:889-894 (1998)
	FF	Komai et al., "Structure-Activity Relationships of HIV-1 PR Inhibitors Containing AHPBA-II. Modification of Pyrrolidine Ring at P1' Proline", <i>Bioorganic & Medicinal Chemistry</i> 4(8):1365-1377 (1996)
	FG	Lawrence et al., "Automated Synthesis and Purification of Amides: Exploitation of Automated Solid Phase Extraction in Organic Synthesis", <i>Synthesis</i> 553-558, see table 1, (May 1997)
	FH	Leclerc et al., "Derivatives Related to Betaxolol with α - and β -Adrenergic Activities", <i>Arzneim.-Forsch/Drug. Res.</i> 35(11):1357-1367 (1985)
	FI	Mensonides-Harsema et al., "Synthesis and in Vitro and in Vivo Functional Studies of <i>Ortho</i> -Substituted Phenylpiperazine and <i>N</i> -Substituted 4- <i>N</i> -(<i>o</i> -Methoxyphenyl)aminopiperidine Analogues of WAY100635", <i>J. Med. Chem.</i> 43:432-439 (2000)
	FJ	Meurer et al., "Discovery of potent human CCR5 antagonists for the treatment of HIV-1 infection-II.", <i>CAPLUS</i> 2000:331722 (2000)
	FK	Navas III et al., "The Design and Synthesis of a Hapten for 1192U90, A Potential Atypical Antipsychotic Agent", <i>Synthetic Communications</i> 26(7):1411-1421 (1996)
	FL	Naya et al., "Design, Synthesis, and Discovery of a Novel CCR1 Antagonist", <i>J. Med. Chem.</i> 44:1429-1435 (2001)
	FM	Payard et al., "N-Aminomethylated Derivatives of Some Hydroxamic Acids as Anti-Inflammatories", <i>Eur. J. Med. Chem.</i> pp. 1-10 (1975)
	FN	Rubini et al., "Synthesis of Isosteric Methylene-Oxy Pseudodipeptide Analogues as Novel Amide Bond Surrogate Units", <i>Tetrahedron</i> 42(21):6039-6045 (1986)
	FO	Srulevitch et al., "4-Phenylamidopiperidines: synthesis, pharmacological testing and SAR analysis", <i>Acta Pharm. Jugosl.</i> 41:89-106 (1991)
	FP	Srulevitch et al., "Design, Synthesis and SAR of Analgesics", QSAR: Quantitative Structure-Activity Relationships in Drug Design, pp. 377-381 (1989)
	FQ	Stefano et al., "Human neutrophil and macrophage chemokinesis induced by cardiopulmonary bypass: Loss of DAME and IL-1 chemotaxis", <i>Journal of Neuroimmunology</i> 47:189-198 (1993)
	FR	Timmermans et al., "Hypotensive Properties of Benzodioxane Derivatives Structurally Related to R 28935. Comparison of Activity with some Receptor Affinities", <i>Arch. int. Pharmacodyn.</i> 255:321-334 (1982)
STB	FS	Wade et al., "Application of Base Cleavable Safety Catch Linkers to Solid Phase Library Production", <i>J. Comb. Chem.</i> 2:266-275, see page 269 scheme 3 and table 4, compounds 32 a-m (2000)
	FT	Wright et al., "Discovery of Selective Dopamine D4 Receptor Antagonists: 1-Aryloxy-3-(4-Aryloxy-piperidinyl)-2-Propanols", <i>Bioorganic & Medicinal Chemistry Letters</i> 7(11):1377-1380 (1997)

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	AH						
	AI						
	AJ						
	AK						

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
<i>SP</i>	AM	WO 99/37619 A1	29 July 1999 <i>D1</i>	PCT ¹	—	—	Original in English	—
<i>SP</i>	AN	WO 99/04794 A1	4 February 1999 <i>D2</i>	PCT ²	—	—	Original in English	—
<i>SP</i>	AO	WO 98/02151 A2	22 January 1998 <i>D3</i>	PCT ³	—	—	Original in English	—
<i>SP</i>	AP	EP 0 903 349 A2	24 March 1999 <i>D4</i>	Europe ⁴	—	—	Original in English	—
<i>SP</i>	AQ	WO 97/10207	20 March 1997	PCT ⁵	—	—	—	Original in Japanese ✓
<i>SP</i>	AR	WO 97/19060 A1	29 May 1997	PCT ⁶	—	—	Original in English	—
<i>SP</i>	AS	WO 98/31364	23 July 1998	PCT ²	—	—	Original in English	—
<i>SP</i>	AT	WO 00/53600	14 September 2000	PCT ⁸	—	—	—	Original in Japanese ✓

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Sheet 2 of 2
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<i>gfb</i>	AU	JP 63-264525	1 November 1 1988	Japan 9	—	—	ABSTRACT ONLY	Original in Japanese

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
<i>gfb</i>	AV	Craig Gerard, "Chemokine Receptors and Ligand Specificity: Understanding the Enigma" Vol. 13, No. 72 (C-570), 21-31, February 17, 1999. 13
<i>gfb</i>	AW	Patent Abstracts of Japan, Medicine Composition Containing Piperazine Derivative and Having Active Oxygen Production Inhibiting And Active Oxygen Removing Action" (November 1, 1988). 11
<i>gfb</i>	AX	Derwent Abstract 2000-587420/55, (2003), corresponding to Foreign Patent Document WO 00/53600, published September 14, 2000 (Reference AT above). 12
<i>gfb</i>	AY	Derwent Abstract 97-212513/19, (2003), corresponding to Foreign Patent Document WO 97/40207 A1, published March 20, 1997 (Reference AQ above). 13
<i>gfb</i>	AZ	Derwent Abstract 98-351249/49, (2003), corresponding to Foreign Patent Document JP 63-264525, published 1 November 1988 (Reference AU above). 14
<i>gfb</i>	AAA	J. Hesselgesser et al., Journal of Biological Chemistry, vol. 273, no. 25, "Identification and Characterisation of Small Molecule Functional Antagonists of the CCR1 Chemokine Receptor" 15687-15692, (1998). 15
<i>gfb</i>	ABB	Howard P. Ng et al., Journal of Medicinal Chemistry, vol. 42, "Discovery of Novel Non-Peptide CCR1 Receptor Antagonists" 4680-4694, (1999). 16
<i>gfb</i>	ACC	Xavier Emodns-Alt et al., "Bioorganic & Medicinal Chemistry Letters, vol. 3, no. 5, "Pharmacological Profile and Chemical Synthesis of SR 48968, a Non-Peptide Antagonist of the Neurokinin A (NK ₂) Receptor" 925-930, (1993). 17

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